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Total Number of Pages in This Submission

Application Number 10/616,884

Filing Date July 10, 2003

First Named Inventor HATCHER et al.

Art Unit 1615

Examiner Name

Attorney Docket Number 5853-428

ENCLOSURES (Check all that apply)

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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Neil R. Jetter AKERMAN SENTERFITT
Signature	
Date	July 14, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of HATCHER, et al.

Application No.: 10/616,884

Examiner:

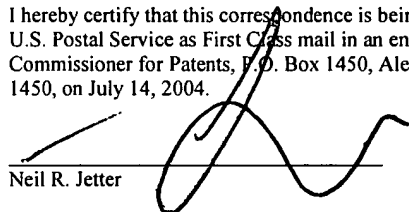
Date Filed: July 10, 2003

Group: 1615

For: SOL-GEL DERIVED BIOACTIVE GLASS POLYMER COMPOSITE

CERTIFICATE UNDER 37 CFR 1.8(a)

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Neil R. Jetter

Commissioner for Patents
Post Office Box 1450
Alexandria, VA 22313-1450

Date: July 14, 2004

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to the Duty to Disclose under 37 C.F.R. §1.56, Applicants hereby disclose information that may be relevant to the Examiner's consideration of the above-identified application and the patentability of its claims.

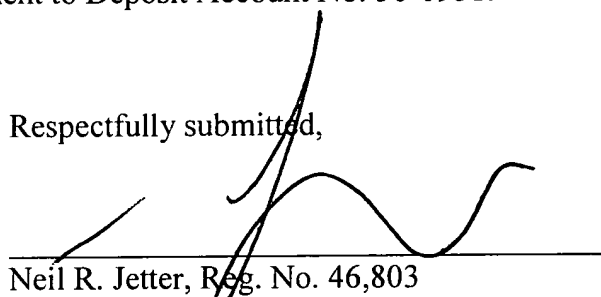
In accordance with Rules 56, 97, and 98 of the Rules of Practice in Patent Cases (37 C.F.R. §§ 1.56, 1.97, and 1.98), Form PTO/SB/08B and copies of references cited therein are submitted for consideration by the Examiner. While the references provided in this Information Disclosure Statement may be material to patentability pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specially designated as such. Also, in accordance with 37 C.F.R. § 1.97(g), the

In re Application of: HATCHER et al.
Application No.: 10/616,884
Filed: July 10, 2003
Group Art Unit: 1615
For: SOL-GEL DERIVED BIOACTIVE GLASS
POLYMER COMPOSITE

filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

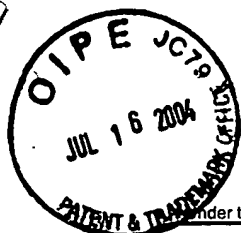
This Information Disclosure Statement is being filed before the issuance of a first office action on the merits of the application (37 C.F.R. 1.97(b)(3)); therefore, no fee is believed to be due. However, if any fee is due, the Commissioner is authorized to charge any such fee and any additional fees due or credit any overpayment to Deposit Account No. 50-0951.

Respectfully submitted,



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Docket No. 5853-428



Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/616,884
Filing Date	July 10, 2003
First Named Inventor	HATCHER et al.
Art Unit	
Examiner Name	
Attorney Docket Number	5853-428

Sheet	1	of	1
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ORÉFICE, et al., "Novel sol-gel bioactive fibers," Journal of Biomedical Materials Research, 55(4):460-467, 2001.	
		DOMINGUES et al., "A sol-gel derived bioactive fibrous mesh," Journal of Biomedical Materials Research, 55(4):468-474, 2001.	
		BRINKER et al., "SOL-GEL SCIENCE: The Physics and Chemistry of Sol-Gel Processing," San Diego: Academic Press, 1990.	
		OTSUBO, Y., "Rheology of colloidal suspensions flocculated by reversible bridging," Chemical Engineering Science, 56:2939-2946, 2001.	
		ÅGREN et al., "Phase Behavior and Structural Changes in Tetraethylorthosilicate-Derived Gels in the Presence of Polyethylene Glycol, Studied by Rheological Techniques and Visual Observations," Journal of Colloid and Interface Science, 204:45-52, 1998.	
		BIGGS et al., "Aggregate structures formed via a bridging flocculation mechanism," Chemical Engineering Journal, 80:13-22, 2000.	
		KOKUBO et al., "Solutions able to reproduce in vivo surface-structure changes in bioactive glass-ceramic A-W3," Journal of Biomedical Materials Research, 24:721-734, 1990.	
		YUAN et al., "Bone Induction by Porous Glass Ceramic Made from Bioglass (45S5)," Journal of Biomedical Materials Research, 58:270-276, 2001.	
		SMITH et al., "Calcium Phosphate Hydroxide," JCPDS International Center for Diffraction Data, CAS#1306-06-5-1996.	
		SIRCARL, A., "An introduction to glass and glass fiber manufacturing technology with application to nonwoven process," Tappi Journal 76:167-175, 1993.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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